

File 351:DERWENT WPI 1963-1997/UD=9745;UP=9742;UM=9740

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?t 011183486/9

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DIALOG(R)File 351:DERWENT WPI

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011183486

WPI Acc No: 97-161411/199715

XRAM Acc No: C97-051689

Medical compsn. contg. fats and oils - includes mixed triglyceride(s),
useful for accumulating docosahexenoic acid in organs

Patent Assignee: NISSHIN OIL MILLS LTD (NISW)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 9030963	A	19970204	JP 95207576	A	19950721	A61K-031/23	199715 B

Priority Applications (No Type Date): JP 95207576 A 19950721

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
JP 9030963	A		16				

Abstract (Basic): JP 9030963 A

Medical compsn. of fats and oils which accumulates docosahexenoic acid (DHA) in the organs, contains mixed triglycerides. The content of DHA linked to the 2-position of triglyceride is lower than 40 mol.% for the sum of DHA in the triglyceride. The fatty acid residues are regularly or randomly distributed in the 1- and 3-positions.

The mixed triglycerides are pref. isolated from marine mammals, specifically, whale or seal, milk fat or fine algae, specifically Nannochloropsis, Thraustochytrium, Isochrysis or Cryptocodinium or their condensates or ester-exchange products, specifically ester-exchange effected with a lipase which specifically acts on the 1,3-position of glyceride.

USE/ADVANTAGE - Used as DHA source and supply DHA as fatty acid component to plasma or brain phosphatidylcholine and phosphatidyl ethanolamine, and may be used in maintenance or improvement of cerebral or nervous function. Compsn. may be applied as capsules or invalid diets prep'd. for patients (eg. drinks, jelly, fluid diet or gruel), to which it may be added at a dose of at least 0.5 (pref. 1-80) %. The compsn. increases the DHA level in the blood and organs at lower doses. No adverse reaction to animals including human is observed.

In an example, a mixt. of triglyceride (1.5 pts.wt.) (random ester-exchange product from triolein and fish oil hydrolysate fatty

acids), soybean lecithin (0.2 pts.wt.) and albumen (10 pts.wt.) was stirred, to which was added milk (180 pts.wt.) and stirred for 2 minutes to give milk contg. fats and oils, which was used as fluid diet. Energy was 133 kcal. Protein content was 6.6 g; lipid was 7.7 and sugar was 8.7 g. There was no problem in taste and appearance.

Dwg.0/0

Title Terms: MEDICAL; COMPOSITION; CONTAIN; FAT; OIL; MIX; TRI; GLYCERIDE; USEFUL; ACCUMULATE; DOCOSA; HEXENOIC; ACID; ORGAN

Derwent Class: B05; D13; D16

International Patent Class (Main): A61K-031/23

International Patent Class (Additional): A61K-035/12; A61K-035/80;

C12P-007/64; C12R-001-89

File Segment: CPI

Manual Codes (CPI/A-N): B04-B01B; B04-B01C; B14-J01; D03-H01G; D03-H01H;

D03-H01J; D03-H01T2; D05-H

Chemical Fragment Codes (M2):

01 H721 H722 H723 J0 J013 J2 J273 M225 M226 M231 M232 M233 M262 M283

M313 M321 M332 M343 M383 M391 M416 M431 M620 M782 M903 M904 P440

P450 Q220 Q233 R90112-M

Specific Compound Numbers: R90112-M

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DIALOG(R)File 351:DERWENT WPI

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010832478

WPI Acc No: 96-329430/199633

XRAM Acc No: C96-104348

Liposomes for drug delivery for treating ischaemic heart diseases - contains membrane forming lipid comprising phosphatidyl- choline contg. docosa-hexaenoic acid

Patent Assignee: SAGAMI CHEM RES CENTRE (SAGA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
[JP 8151334]	A	19960611	JP 94291329	A	19941125	A61K-047/24	199633 B

Priority Applications (No Type Date): JP 94291329 A 19941125

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
JP 8151334	A		6			

Abstract (Basic): JP 8151334 A

Liposome contains as membrane-forming lipid comprising a phosphatidylcholine (PC) in which docosa-hexaenoic acid (DHA) comprises at least 10% of fatty acids.

Pref. phosphatidylcholine is isolated from the skin of cuttlefish and the liposome contg. ascorbic acid ester of DHA (DHA-As).

DHA pref. comprises at least 25% of the fatty acids forming the phospholipid. PC is pref. isolated from cuttlefish (sPC) by extrn. with